Notice of Allowability	Application No.	Applicant(s)	
	09/895,936	PERYCZ ET AL.	
	Examiner	Art Unit	
	LeChi Truong	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the amendment filed on 5/15/2006*.

2. ☒ The allowed claim(s) is/are *1-8, 12-19, 21-24, 29, 30 now renumbered as claims 1-20*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

WILLIAM THOMSON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

1. This is in responding to the amendment filed 05/15/2006.

Allowable Subject Matter

2. Claims 1-8, 12-19, 21-24, 29-30 are allowed.

3. The following is an examiner's statement of reasons for allowance:

As to claims 1, 12, 19, and 24, the prior art as taught by Aoshima et al (US. Patent 5,210,859) in view of Young (US. Patent 6,560,606) do not teach on render obvious the limitations recited in claims 1, 12, 19, 24, when taken in the context of the claims as a whole, modification of a module function in accordance with the inter-module dependency tree by the system controller is a modification selected from the group consisting of an initialization of the module function, a reconfiguration of the module, or a shut down of the module function as recited in the independent claims 1, 12, 19, 24. Moreover, evidence for modifying the prior art teachings by one of ordinary skill level in the art was not uncovered so as to result in the invention as recited in claims 1, 12, 19, and 24.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (571) 272 3767. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomson, William can be reached on (571) 272 3718. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR of Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

LeChi Truong

August 4, 2006

WILLIAM THOMSON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no lather than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Mark C. Van Ness (Registration number: 39,865) on 8/03/2006.

3. Amend the following claims:

1. (Currently amended) A method, comprising:

receiving requirements for a plurality of modules;

determining an inter-module dependency tree using a system controller, the inter-module dependency tree being based on the requirements; and

modifying a module function in accordance with the inter-module dependency tree using the system controller, wherein modifying a module function is a modification selected from the group consisting of initializing the module function in accordance with the inter-module dependency tree, reconfiguring the module function in accordance with the inter-module dependency tree, and shutting down the module function in accordance with the inter-module dependency tree.

2. (Previously presented) The method of claim 1 further comprising associating a configuration parameter with an inter-module dependency in the inter-module dependency tree.

3. (Original) The method of claim 1 further comprising storing a default value for a configuration parameter.

4. (Previously presented) The method of claim 1 wherein determining an inter-module dependency tree comprises associating a module command with an inter-module dependency.

5. (Original) The method of claim 4 wherein associating a module command with an inter-module dependency comprises determining a phase for a command of a module.

6. (Previously presented) The method of claim 1 wherein modifying a module function comprises determining a command script based on a command association with an inter-module dependency.

7. (Previously presented) The method of claim 1 wherein modifying a module function comprises associating a command of a first module with a command of a second module based upon an inter-module dependency for the first module and the second module.

8. (Previously presented) The method of claim 7 wherein associating the command of the first module with a command of the second module comprises associating the command of the first module with the command of the second module based upon a phase identification.

9-11. (Cancelled)

12. (Currently amended) An apparatus, comprising:

a system controller, the system controller comprising circuitry to store an inter-module dependency tree, the inter-module dependency tree being based on requirements for a plurality of modules, the system controller to modify a module function in accordance with the inter-module dependency tree, the system controller further comprising circuitry to modify a module function in accordance with an inter-module dependency tree; and

a configuration manager coupled to the system controller[[.]] ;

wherein modification of a module function in accordance with the inter-module dependency tree by the system controller is a modification selected from the group consisting of an initialization of the module function, a reconfiguration of the module function, and a shut down of the module function.

13. (Currently amended) The apparatus of claim [[11]] 12, further comprising a current configuration database coupled to the configuration manager, the current configuration database containing one or more configurations for the plurality of modules that are not retained when the apparatus is initialized.

14. (Currently amended) The apparatus of claim [[11]] 12, further comprising a permanent configuration database coupled to the configuration manager via a command line interface, the permanent configuration database containing one or more configurations that are retained when the system is initialized.

15-16. (Cancelled)

17. (Currently amended) The apparatus of claim [[11]] 12, wherein the configuration manager comprises circuitry to receive a configuration parameter change request.

18. (Currently amended) The apparatus of claim [[11]] 12, wherein the configuration manager comprises circuitry to modify a module function in accordance with a configuration parameter change request.

19. (Currently amended) A system, comprising:

a network component comprising a system controller coupled to a configuration manager;

a component coupled with the system controller to store an inter-module dependency tree, the inter-module dependency tree being based on requirements for a plurality of modules, the system controller to modify a module function in accordance with the inter-module dependency tree; and

a station coupled to the network component[[.]] ;

wherein the modification of a module function in accordance with the inter-module dependency tree by the system controller is a modification selected from the group consisting of an initialization of the module function, a reconfiguration of the module function, or a shut down of the module function.

20. (Cancelled)

21. (Previously presented) The system of claim 19, wherein the system further comprises a permanent configuration parameter database coupled to the configuration manager via a command line interface, the permanent configuration database containing one or more configurations that are maintained when the system is rebooted.

22. (Previously presented) The system of claim 19, wherein the station comprises a server to forward a transaction via the network component.

23. (Previously presented) The system of claim 19, wherein the station comprises a management workstation to configure said network component.

24. (Currently amended) A machine-readable medium containing instructions, which when executed by a machine, cause the machine to perform operations, comprising:

receiving requirements for a plurality of modules;

determining an inter-module dependency tree using a system controller, the inter-module dependency tree being based on the requirements; and

modifying a module function in accordance with the inter-module dependency tree using the system controller, wherein modifying a module function is a modification selected from the group consisting of initializing the module function in accordance with the inter-module dependency tree, reconfiguring the module function in accordance with the inter-module dependency tree, and shutting down the module function in accordance with the inter-module dependency tree.

25. (Previously presented) The machine-readable medium of claim 24 wherein determining an inter-module dependency tree comprises associating a module command with an inter-module dependency.

26-28. (Cancelled)

29. (Previously presented) The machine-readable medium of claim 24 wherein modifying the module function comprises reconfiguring a module function in accordance with the inter-module dependency tree.

30. (Previously presented) The machine-readable medium of claim 24 wherein modifying a module function comprises shutting down the module function in accordance with the inter-module dependency tree.

31-32. (Cancelled)

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (571) 272 3767. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomson, William can be reached on (571) 272 3718. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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August 4, 2006

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